EMERGENCY/BACKUP GENERATORS

Facility Name **Contact Name** **Phone**

This form has enough space to record data for up to 4 generators.
You may photocopy this page to report additional generators.

The emission factors provided on the reverse side of this page are published in AP-42, Chapters 3.1, 3.3 and 3.4.

	1			*2*		
Generator # (or what you call it)						
Fuel type (circle)	diesel	gasoline	natural gas	diesel	gasoline	natural gas
Generator size	“ Hp		“ kW	“ Hp		“ kW
Usage (June - August '04)	gal.	hrs.	cu.ft.	gal.	hrs.	cu.ft.
Usage (All other months '04)	gal.	hrs.	cu.ft.	gal.	hrs.	cu.ft.
	3			*4*		
Generator # (or what you call it)						
Fuel type (circle)	diesel	gasoline	natural gas	diesel	gasoline	natural gas
Generator size	“ Hp		“ kW	“ Hp		“ kW
Usage (June - August '04)	gal.	hrs.	cu.ft.	gal.	hrs.	cu.ft.
Usage (All other months '04)	gal.	hrs.	cu.ft.	gal.	hrs.	cu.ft.

For generators burning diesel, include the sulfur limit (%): _____ %S

Return to: Air Pollution/Toxics Inventory, Office of Air Resources
235 Promenade Street, Providence, RI 02908-5767

***** Please note change in units for these emission factors. *****

Means that these emission factors and SCC Code(s) were applicable for estimating emissions from your facility in RY03

Classif./Generator Info.	SCC Code(s)		Particulates	SOx	NOx	VOC	CO	Units ("pounds per")
Industrial and Stationary Engines								
	Industrial	Institutional						
Natural gas turbines	2-01-003-01		44	0.6	462	1.00	115	MMCF burned **
Gasoline generators	2-03-003-01	2-03-003-01	0.013	0.01092	0.2119	0.394	8.151	gallons burned
Diesel (<601 hp or <447 kW)	2-03-001-03	2-03-001-01	0.0425	0.0397	0.6042	0.049	0.1303	gallons burned
Diesel (>601 hp or >447 kW)	2-03-004-01		0.0137	.1384(S)*	0.4384	0.012	0.1165	gallon burned

* The "S" beside the Emission Factor for SOx indicates that you must multiply the Emission Factor by the % sulfur in the fuel burned.

** MMCF = million cubic feet

	1			*2*		
Generator # (or what you call it)	*Air 1*			*Backup 2*		
Fuel type (circle)	diesel	gasoline	natural gas	diesel	gasoline	natural gas
Generator size	201 Hp		kW		Hp 150	kW
Usage (June - August '03)	40 gal.	25 hrs.	CCF	50 gal.	55 hrs.	CCF
Usage (All other months '03)	120 gal.	75 hrs.	CCF	150 gal.	165 hrs.	CCF
	3			*4*		
Generator # (or what you call it)	*Alternate 3*					
Fuel type (circle)	diesel	gasoline	natural gas	diesel	gasoline	natural gas
Generator size	503 Hp		kW		Hp	kW
Hours run (June - August '03)	gal.	103 hrs.	120 CCF	gal.	hrs.	CCF
Hours run (All other months '03)	gal.	303 hrs.	360 CCF	gal.	hrs.	CCF

For generators burning diesel, include the sulfur limit (%): _____ %S

EXAMPLE: A small diesel engine (201 hp) burned a total of 150 gallons in 2003.
To calculate the total lbs. of NOx emitted:

150 gal. x 0.6042 lbs. / gallon = 90.6 lbs. of NOx emitted